

GAS GENERATOR

Patent Number: JP7329690
Publication date: 1995-12-19
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Requested Patent: ☐ JP7329690
Application Number: JP19940148476 19940606
Priority Number(s):
IPC Classification: B60R21/26
EC Classification:
Equivalents:

Abstract

PURPOSE: To prevent gunpowder from being ignited at the time of assembly by forming a cylindrical container housing a gas generating means by means of caulking, forming the outer shell of a ring shaped-space housing a filter means over the outside of the cylindrical container, and thereby fixing them by a means which does not thermally affect a gas generator.

CONSTITUTION: Ring shaped-partition members 18 and 23 are disposed in a ring shaped-space formed between an outer shell 101 and a cylindrical container 100, and ring shaped-gas filters 19, 20, 21 and 22 are disposed in order along a gas flow path composed of a gas hole 16, the partition members 18 and 23, and of a gas discharge hole 17. The outer shell 101 provided with the gas discharge hole 17 is fixed onto the outside of the gas filters 19 through 22 by a bolt 7 and a nut 8 in such a way that gas generating agents 10, a squib 11, and an ignitor 12 in its inside are not thermally affected. By this constitution, clean gas in an optimum temperature is fed to an air bag out of the gas discharging hole 17. This constitution thereby prevents gunpowder from being ignited at the time of assembly, and enables a press molded part to be used as a housing material.

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